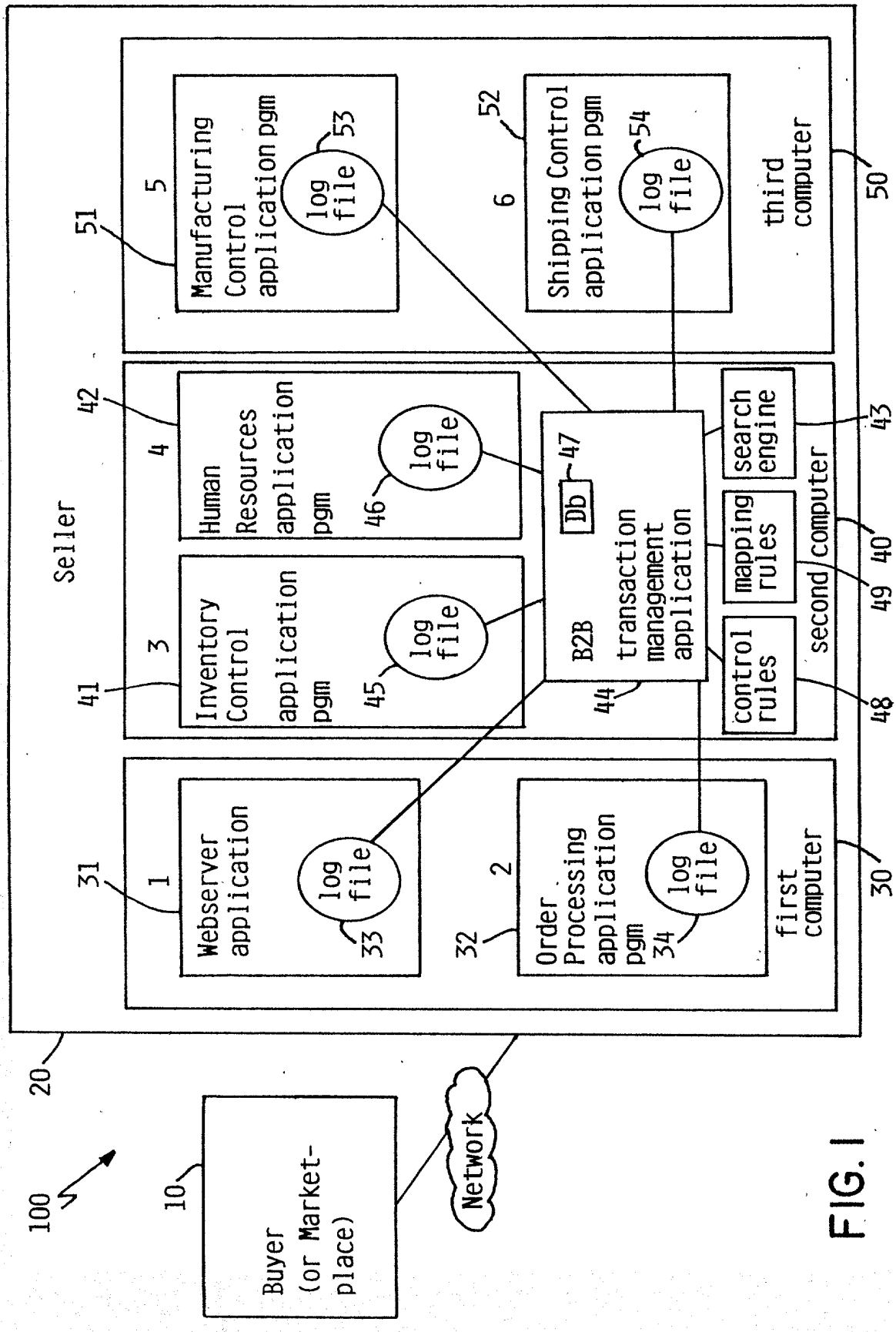
100
10
Buyer (or Market-place)
Network
20
Seller
first computer
30
1
Webserver application
log file
33
31
2
Order Processing application pgm
log file
34
32
second computer
40
3
Inventory Control application pgm
log file
45
41
4
Human Resources application pgm
log file
46
42
B2B transaction management application
Db
47
44
search engine
43
mapping rules
49
control rules
48
third computer
50
5
Manufacturing Control application pgm
log file
53
51
6
Shipping Control application pgm
log file
54
52

FIG. 1

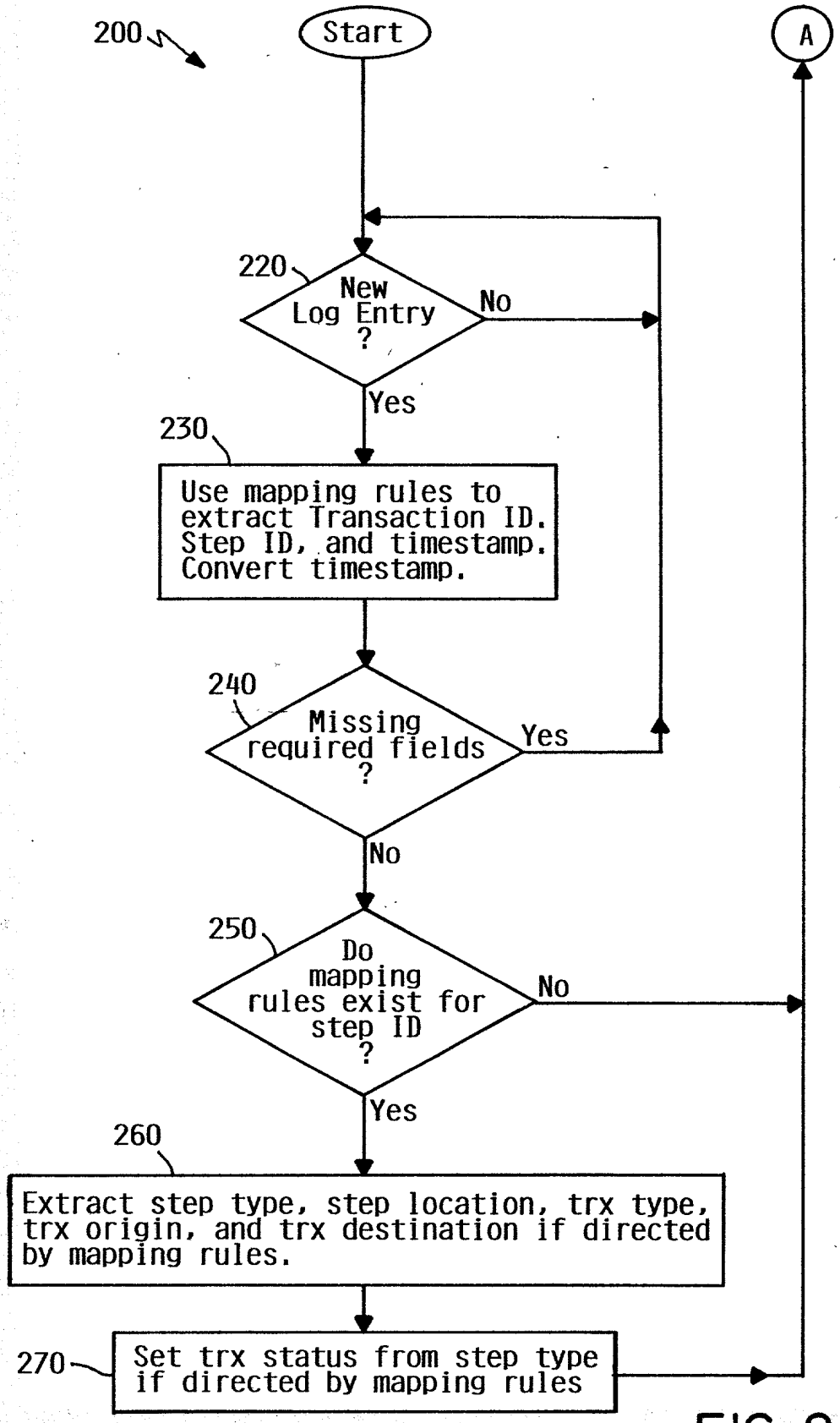
200
Start
A
220
New Log Entry ?
No
Yes
230
Use mapping rules to extract Transaction ID, Step ID, and timestamp. Convert timestamp.
240
Missing required fields ?
Yes
No
250
Do mapping rules exist for step ID ?
No
Yes
260
Extract step type, step location, trx type, trx origin, and trx destination if directed by mapping rules.
270
Set trx status from step type if directed by mapping rules

FIG. 2A

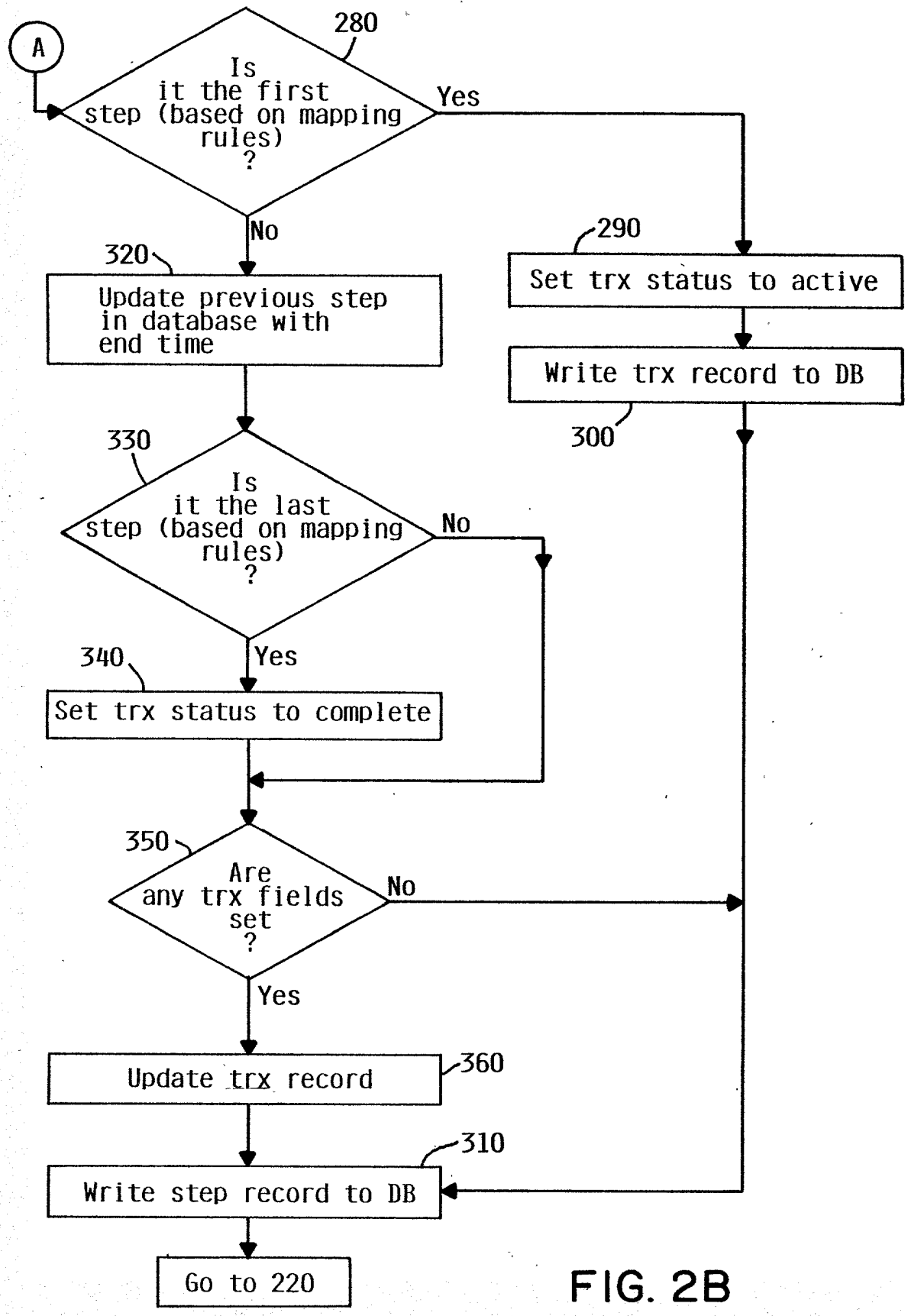
A
280
Is it the first step (based on mapping rules) ?
Yes
No
290
Set trx status to active
Write trx record to DB
300
320
Update previous step in database with end time
330
Is it the last step (based on mapping rules) ?
No
Yes
340
Set trx status to complete
350
Are any trx fields set ?
No
Yes
Update trx record
360
310
Write step record to DB
Go to 220

FIG. 2B

3667.29 5098/007

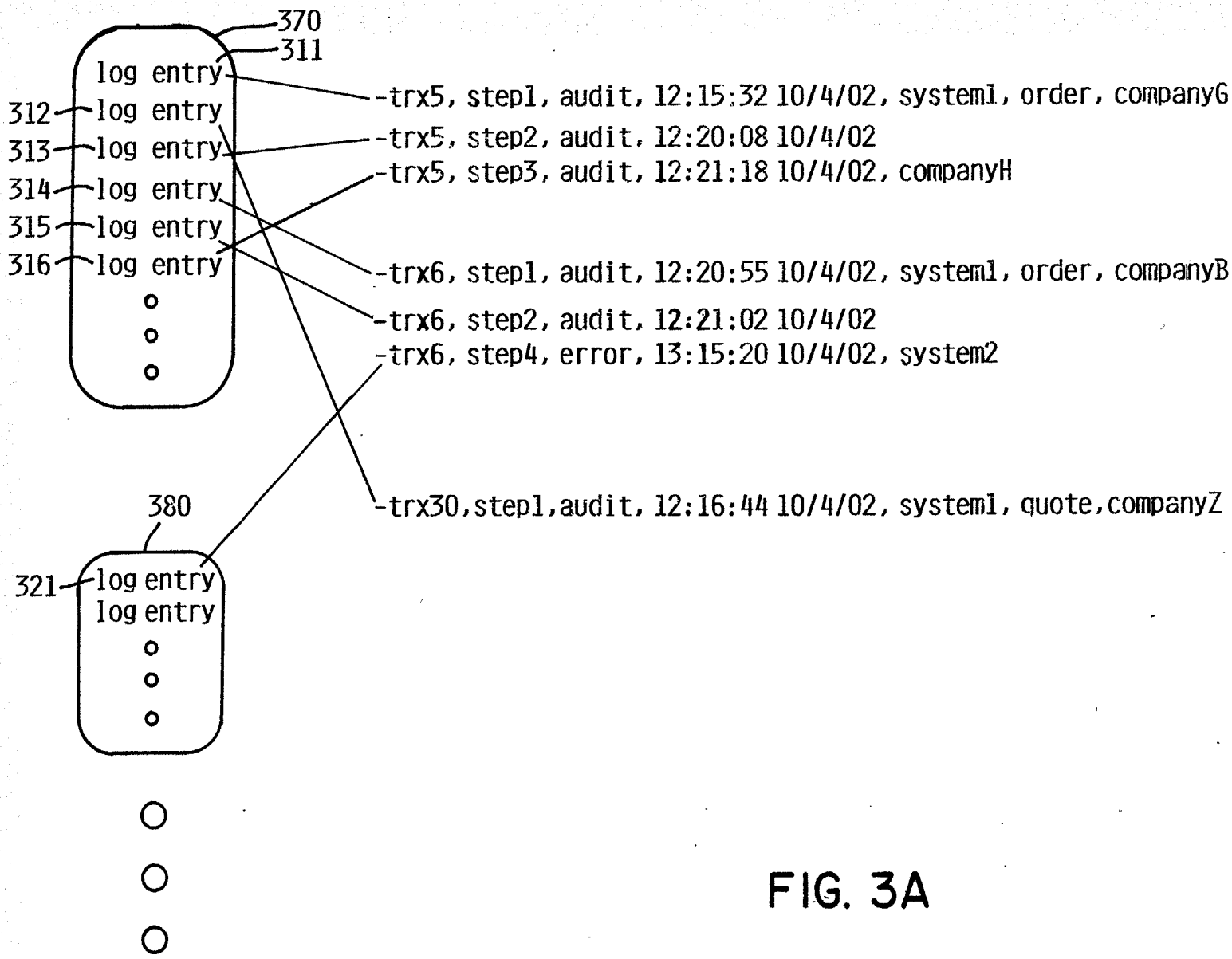

FIG. 3A

Atty. Dkt. No. ROC920010345US1
U.S. Serial No: UNKNOWN
Filed: HEREWITH
Inventor: BRANSON ET AL.
Express Mail No. EL913563883US
Sheet 4 of 7

```
trx5, order, companyG, companyH
   step1, audit, system1, 12:15:32 10/4/02
   step2, audit, system1, 12:20:08 10/4/02
   step3, audit, system1, 12:21:18 10/4/02

trx6, order, companyB
   step1, audit, system1, 12:20:55 10/4/02
   step2, audit, system1, 12:21:02 10/4/02
   step4, error, system2, 13:15:20 10/4/02
      .
      .
      .
trx30, quote, companyZ
   step1, audit, system1, 12:16:44 10/4/02
```

FIG. 3B

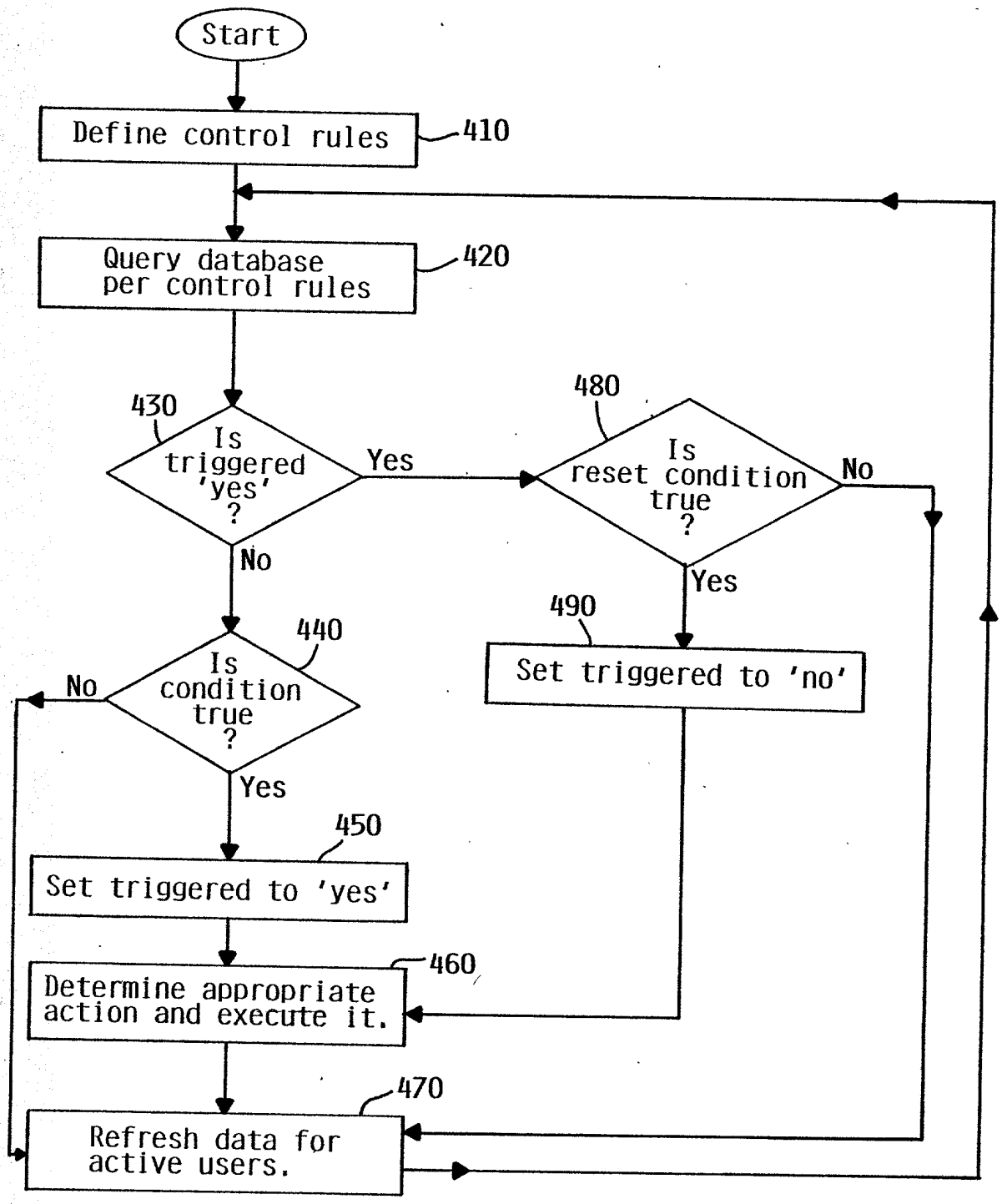
Start
Define control rules
410
Query database per control rules
420
430
Is triggered 'yes' ?
Yes
No
480
Is reset condition true ?
No
Yes
490
Set triggered to 'no'
440
Is condition true ?
No
Yes
450
Set triggered to 'yes'
460
Determine appropriate action and execute it.
470
Refresh data for active users.

FIG. 4

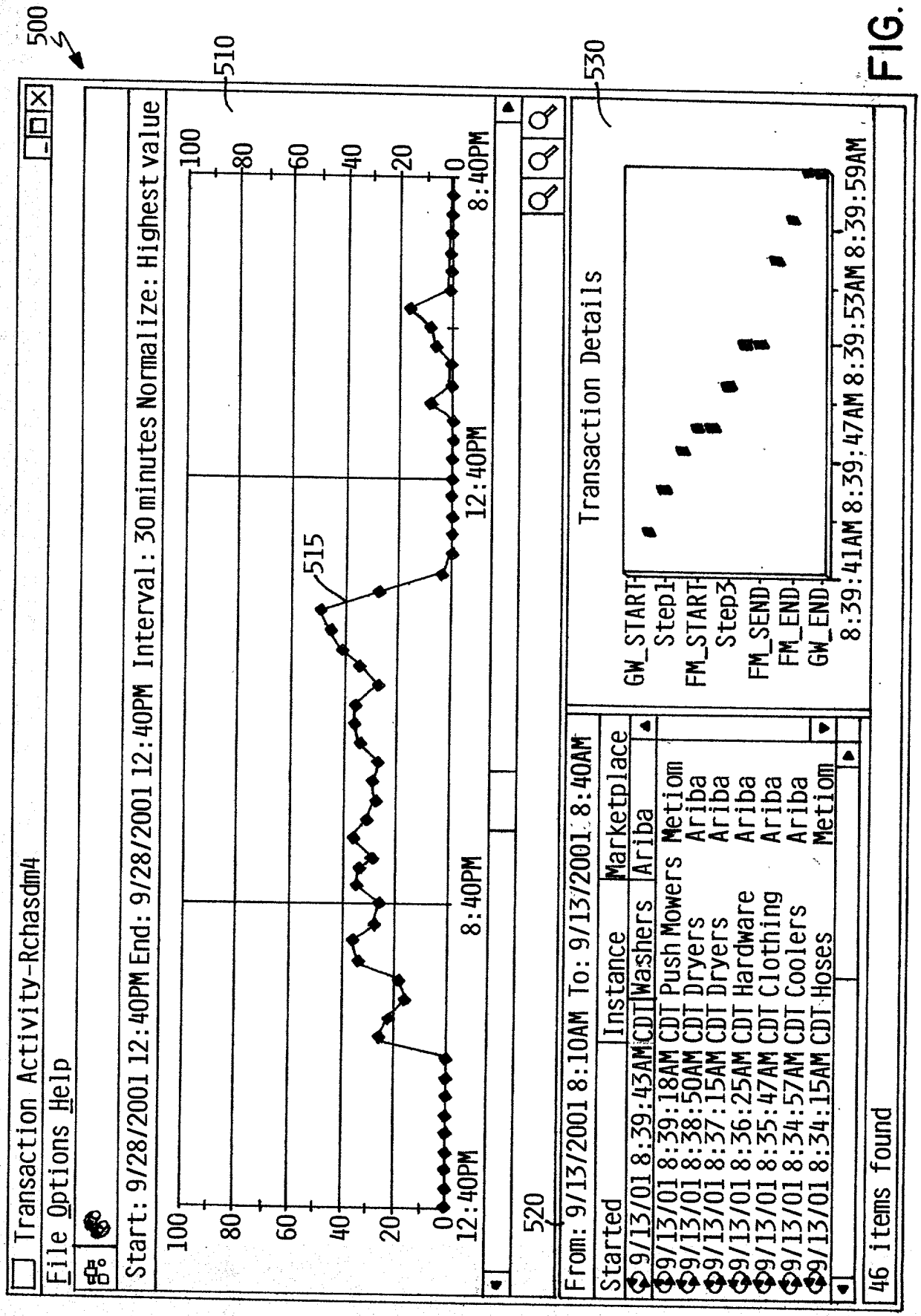
500
Transaction Activity-Rchasdm4
File Options Help
Start: 9/28/2001 12:40PM End: 9/28/2001 12:40PM Interval: 30 minutes Normalize: Highest value
510
100
80
60
40
20
0
12:40PM
8:40PM
515
520
From: 9/13/2001 8:10AM To: 9/13/2001 8:40AM
Started
Instance
Marketplace
9/13/01 8:39:43AM CDT Washers Ariba
9/13/01 8:39:18AM CDT Push Mowers Metiom
9/13/01 8:38:50AM CDT Dryers Ariba
9/13/01 8:37:15AM CDT Dryers Ariba
9/13/01 8:36:25AM CDT Hardware Ariba
9/13/01 8:35:47AM CDT Clothing Ariba
9/13/01 8:34:57AM CDT Coolers Ariba
9/13/01 8:34:15AM CDT Hoses Metiom
46 items found
530
Transaction Details
GW_START
Step1
FM_START
Step3
FM_SEND
FM_END
GW_END
8:39:41AM 8:39:47AM 8:39:53AM 8:39:59AM

FIG. 5